

ABSTRACT

A circuit component has an elastically deformable first structure, a second structure, and a support structure coupling the first and second structures, wherein the support structure acts a fulcrum about which the first structure can be variably deformed in response to a variable force, to provide either a variable capacitor or a variable tank circuit having a variable capacitor and an inductor. In one particular embodiment, the circuit component includes a zipper actuator for elastically deforming the first structure. A method of making a circuit component includes forming an elastically deformable first structure, forming a second structure, and forming a support structure coupling the first and second structures, to provide either a variable capacitor or a variable tank circuit having a variable capacitor and an inductor. In one particular embodiment, the method includes forming a zipper actuator for elastically deforming the first structure.

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